UMAX
The World's Leading Scanner Manufacturer
www.umax-europe.com

# Press Release – Astra 4000U

## Astra 4000U

January 2000

**Advance by technology**

High resolution images of our products are available by using the address http://www.umax-europe.com

Umax Systems announces the Umax Astra 4000U, the latest product of the award-winning Astra scanner family. The Astra 4000U is designed to meet the needs of the demanding consumer, the SOHO market, who use the scanner to create web graphics, newsletter artwork, customer presentations and proposals, develope images for web sites and traditional media.

The Umax Astra 4000U is a flatbed scanner with an amazing optical resolution of **1200 x 2400 ppi**. Its CCD-array consist of 10,500 CCD elements. By software interpolation this resolution can even be upgraded to 9600 x 9600 ppi. Using one colour CCD (charge coupled device) array the scanner operates according to the single pass method. The scan area covers a maximum of 216 x 356 mm with a colour depth of 24 bit, which can be upgraded to a 36-bit. In 36 bit mode, Umax Bit Enhancement Technology provides a better image quality by enhancing the signal to noise ratio, providing rich, vibrant colours and detailed highlights and shadows of the original image.

Optional to the Astra 4000U is the transparency adapter UTA-4000. This transparency adapter is very easy to connect and will be recognized by the software immediately. A maximum scan area of 216 x 297 mm can be covered by the UTA-4000. The scanner has a dynamic range of 2,3D. The Astra 4000U is equipped with a **USB interface**. With the USB interface, the Astra 4000U provides fast scans and easy installation, offering flexibility for both Mac and PC. In combination with a printer 35mm slides can be scanned and printed up to a size of 15 x 18 cm in best photo quality.

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The Astra 4000U scanner is bundled with **Adobe Photoshop 5.0 LE** and **NewSoft Presto! PageManager** (full version). Adobe Photoshop 5.0 LE is an image editor with a wide range of functions for editing and manipulating pictures. Presto! PageManager is a powerful "drag-and-drop" software tool, which allows to print, copy, email, fax and OCR (optical character recognition) the scanned images and pages created.

**Caere OmniPage LE OCR** is an optical character recognition application for scanning text documents with 99% accuracy into the favourite word processing applications as computer-editable text.

With the UMAX **copy utility** (PC) the scanner together with a printer can be used as a copy machine. The copy utility is designed for making multiple copies of an original. The interface of the Umax copy utility has the same look as the user interface of a "normal" copy-machine.

Also included with the Astra 4000U: **NewSoft Presto! PageType** (full version, PC) for scanning and filling out pre-printed forms and NewSoft Presto! ImageFolio LE (PC) for advanced image editing and special effects.

**VistaScan** is a fully TWAIN compatible driver with two interface modes. The beginner mode, where ease-of-use is the key word, only chose preview, then the destination of the scan and finally set the type of scan needed. The driver will now automatically apply the most appropriate settings and execute the scan. For the more demanding user the VistaScan driver offers the Advanced mode. Here all settings can be adjusted to ones own liking. Resolution, descreen options, filers like sharpen or blur, multiple scan settings and several colour balance tools are adjustable.

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## Technical Specifications – Astra 4000U

| | | |
|---|---|---|
| Optical resolution | 1200 x 2400 ppi | |
| Maximum resolution | 9600 x 9600 ppi | |
| Maximum Scan Area | 216 x 297 mm | |
| Colour scan method | Single-pass colour CCD | |
| Scan speed Flatbed mode | | |
| Line-art/Grey scale | 9 ms/line | |
| Colour | 18 ms/line | |
| Colour mode | 24 bits / 42 bits | (internal / external) |
| Grey mode | 8 bits / 14 bits | (internal / external) |
| Line-art mode | 1 bit/pixel | |
| Highlight/Shadow | 255 steps | |
| Dynamic Range | 0,1 ~ 3,0D (UTA) | |
| Brightness/Contrast | +/- 100% | |
| Interface USB | | |
| Light source Cold cathode lamp | | |
| Power requirement | | |
| Power Adapter | 100 ~ 240 PC | |
| Power consumption | Max. 15W | |
| Environmental Range | | |
| Operating temperature | 10-35°C | |
| Operating humidity | 10-85% non-condensation | |
| Dimension 471 x 312 x 110 mm | | |
| Net weight 4.5 kg | | |
| Transparency Adapter | UTA-4000 | |
| Max, scan area UTA | 216 x 297 mm | |
| Operating System | Windows and MacOS | |
| Software: | VistaScan V3.5 (W/M),<br>MagicMatch,<br>VistaShuttle V1.00 (W),<br>Copy Utility (W),<br>PageManager V4.20 (W),<br>PageManager V2.31 (M),<br>ImageFolio LE (W),<br>PageType (W),<br>OmniPage LE (W/M),<br>Recognita standard (W),<br>Internet Explorer 4.0 (W/M),<br>Acrobat Reader (W/M),<br>Adobe Photoshop 5.0 LE (W/M) | |
| Certification: | FCC, CE, CETL, GS-Dekra, CNS | |

Umax reserves the right in technical alterations

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## Features & Benefits

**High Resolution: Sharp as a Razor Blade**
An amazing optical resolution of 1200 x 2400 ppi is bringing real graphic possibilities to the desktop. These high resolutions are no longer preserved for graphic studios and professional designers.

**VistaScan: Intelligent Scan Driver**
VistaScan beginner mode offers fully automatic scans, VistaScan enhanced mode offers all necessary tools for specific demands, such as multiple scans, hue and saturation control, gamma curve and descreening.

**VistaAccess: Direct Access to Your Scanner**
VistaAccess is resident at the status bar. No matter which application software you are in, you can access the scanner anytime and get an image or text into the current application without switching between several applications.

**MagicMatch: Accurate Colour Scans**
MagicMatch, the Kodak Color Management System, offers calibrated scanner profiles that meet the ICC standard. The color is consistent from scanner to screen display and to printer.

**BET: Bit Enhancement Technology**
Umax's patented Bit Enhancement Technology (BET) outperforms others by expanding the colour details and reducing image noise from the CCD. When scanning, BET extracts more from the scanner.

**USB: Plug and Play**
Just plug the scanner into the USB port and both, Windows 98 and MacOS, will automatically recognize the scanner and start the installation when necessary. The scanner can be plugged and unplugged any time, even when the computer is turned on.

**UTA: Umax Transparency Adapter**
The Astra 4000U comes with the UMAX Transparency Adapter. The built-in homogeneous light source in the cover allows to scan up to 216 x 297 mm - plenty of slides in one go.

**Software Bundle**
Next to the fully TWAIN compatible VistaScan driver, VistaShuttle and the UMAX Copy Utility, the Astra 4000U is bundled with a very complete set of software:

- Adobe Photoshop 5.0 LE, an image editor with a wide range of functions for editing and manipulating.
- Presto! PageManager, Presto! ImageFolio and Presto! PageType of NewSoft are a complete bundle for document and image management.
- Caere OmniPage LE and Recognita Standard OCR are applications to scan texts and export them as text files as well.

**Power switch:**
The Astra 4000U is equipped with a ON/OFF-switch.

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